

Table ENG-4. - Building Site Development

New Kent County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Altavista	85	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.78	Cutbanks cave	1.00	Depth to saturated	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	zone	
2A:							
Altavista	50	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.78	Cutbanks cave	1.00	Depth to saturated	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	zone	
Dogue	30	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Depth to saturated	0.03
		Shrink-swell	0.50	zone		zone	
		Depth to saturated zone	0.03	Cutbanks cave	0.10		
				Too clayey	0.03		
Roanoke	5	Not Rated		Not Rated		Not Rated	
3A:							
Augusta	80	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.78	Depth to saturated	1.00	Depth to saturated	0.75
		Depth to saturated zone	0.75	zone		zone	
				Cutbanks cave	0.10		
Tomotley	3	Not Rated		Not Rated		Not Rated	
Nimmo	2	Not Rated		Not Rated		Not Rated	
4A:							
Bohicket	80	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated	1.00	Flooding	1.00	Flooding	1.00
		zone		Depth to saturated	1.00	Salinity	1.00
		Flooding	1.00	zone			
Johnston	5	Not Rated		Not Rated		Not Rated	
Mattan	4	Not Rated		Not Rated		Not Rated	
Lanexa	3	Not Rated		Not Rated		Not Rated	
5A:							
Bojac	75	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
				Depth to saturated	0.15		
				zone			

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6B:							
Caroline	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.47		
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.02		
7B:							
Caroline	40	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.47		
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.02		
Emporia	35	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Depth to saturated zone	0.73		
				Cutbanks cave	0.10		
7C:							
Caroline	40	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.47		
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.02		
Emporia	35	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Depth to saturated zone	0.73		
				Cutbanks cave	0.10		
8A:							
Catpoint	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.92
				Depth to saturated zone	0.15		
9A:							
Conetoe	80	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.01
10B:							
Craven	80	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
10C:							

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10C:							
Craven	80	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
11B:							
Craven	40	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
Caroline	25	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.47		
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.02		
12B:							
Craven	40	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
Uchee	35	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.01
				Depth to saturated zone	0.47		
13A:							
Dogue	80	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Depth to saturated zone	0.03	Too clayey	0.03		
Roanoke	5	Not Rated		Not Rated		Not Rated	
14A:							
Dragston	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.48	Cutbanks cave	1.00	Depth to saturated zone	0.48
				Depth to saturated zone	1.00		
Nimmo	5	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	

15B:

Table ENG-4. - Building Site Development - Continued

New Kent County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15B:							
Emporia	80	Somewhat limited Low strength	0.78	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
16A:							
Johnston	85	Very limited Depth to saturated zone Flooding Ponding	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Ponding	1.00 1.00 1.00
Bohicket	3	Not Rated		Not Rated		Not Rated	
Lanexa	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
17B:							
Kempsville	80	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
18B:							
Kempsville	80	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
19B:							
Kempsville	50	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Emporia	30	Somewhat limited Low strength	0.78	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
19C:							
Kempsville	50	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Emporia	30	Somewhat limited Low strength	0.78	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
20B:							
Kempsville	45	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20B:							
Suffolk	30	Not limited		Very limited Cutbanks cave		Not limited 1.00	
21A:							
Lanexa	80	Very limited Ponding Depth to saturated zone Flooding		Very limited Ponding Depth to saturated zone Content of organic matter		Very limited Ponding Flooding Depth to saturated zone	
			1.00		1.00		1.00
			1.00		1.00		1.00
			1.00		1.00		1.00
Johnston	4	Not Rated		Not Rated		Not Rated	
Mattan	4	Not Rated		Not Rated		Not Rated	
Bohicket	3	Not Rated		Not Rated		Not Rated	
22A:							
Mattan	85	Very limited Ponding Depth to saturated zone Flooding		Very limited Ponding Depth to saturated zone Content of organic matter		Very limited Ponding Flooding Content of organic matter	
			1.00		1.00		1.00
			1.00		1.00		1.00
			1.00		1.00		1.00
Lanexa	5	Not Rated		Not Rated		Not Rated	
23A:							
Munden	85	Somewhat limited Depth to saturated zone		Very limited Cutbanks cave Depth to saturated zone		Somewhat limited Depth to saturated zone	
			0.19		1.00		0.19
					1.00		
24A:							
Nawney	75	Very limited Depth to saturated zone Flooding Low strength		Very limited Depth to saturated zone Cutbanks cave Flooding		Very limited Flooding Depth to saturated zone	
			1.00		1.00		1.00
			1.00		1.00		1.00
			1.00		0.80		
Tomotley	4	Not Rated		Not Rated		Not Rated	
Johnston	3	Not Rated		Not Rated		Not Rated	
Mattan	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Lanexa	2	Not Rated		Not Rated		Not Rated	

25A:

Table ENG-4. - Building Site Development - Continued

New Kent County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25A:							
Nawney	75	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
Tomotley	4	Not Rated		Not Rated		Not Rated	
Johnston	3	Not Rated		Not Rated		Not Rated	
Mattan	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Lanexa	2	Not Rated		Not Rated		Not Rated	
26D:							
Nevarc	40	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Slope	0.37
		Shrink-swell	0.50	Slope	0.37	Depth to saturated zone	0.03
		Slope	0.37	Too clayey	0.13		
Remlik	35	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Cutbanks cave	1.00	Slope	0.37
				Slope	0.37	Droughty	<0.01
				Depth to saturated zone	0.15		
26E:							
Nevarc	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	0.50	Too clayey	0.13		
Remlik	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	<0.01
				Depth to saturated zone	0.15		
26F:							
Nevarc	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	0.50	Too clayey	0.13		

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26F:							
Remlik	35	Very limited Slope	1.00	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.15	Very limited Slope Droughty	1.00 0.01
27A:							
Nimmo	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Tomotley	4	Not Rated		Not Rated		Not Rated	
Nawney	3	Not Rated		Not Rated		Not Rated	
28B:							
Norfolk	85	Somewhat limited Low strength	0.22	Somewhat limited Depth to saturated zone Cutbanks cave	0.15 0.10	Not limited	
29B:							
Orangeburg	85	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
30A:							
Pamunkey	85	Somewhat limited Low strength	0.78	Very limited Cutbanks cave	1.00	Not limited	
30B:							
Pamunkey	85	Somewhat limited Low strength	0.78	Very limited Cutbanks cave	1.00	Not limited	
31A:							
Roanoke	80	Very limited Depth to saturated zone Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 1.00 0.28	Very limited Depth to saturated zone	1.00
Tomotley	5	Not Rated		Not Rated		Not Rated	
32A:							
Seabrook	80	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.95	Somewhat limited Droughty	0.88
Nimmo	3	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

New Kent County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
32A: Tomotley	2	Not Rated		Not Rated		Not Rated	
33A: Slagle	80	Somewhat limited Depth to saturated zone	0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
34B: Slagle	50	Somewhat limited Depth to saturated zone	0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
Emporia	35	Somewhat limited Low strength	0.78	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
35A: State	80	Somewhat limited Flooding Low strength	0.40 0.22	Somewhat limited Depth to saturated zone Cutbanks cave	0.15 0.10	Not limited	
36B: Suffolk	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
37A: Tarboro	85	Not limited		Very limited Cutbanks cave	1.00	Very limited Droughty	1.00
38A: Tetotum	80	Very limited Low strength Depth to saturated zone	1.00 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
Roanoke	5	Not Rated		Not Rated		Not Rated	
39A: Tomotley	85	Very limited Depth to saturated zone Low strength	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Johnston	3	Not Rated		Not Rated		Not Rated	
Nawney	2	Not Rated		Not Rated		Not Rated	

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New Kent County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
40B: Uchee	85	Not limited		Very limited Cutbanks cave Depth to saturated zone		Somewhat limited Droughty	
					1.00 0.47		0.01
41B: Udorthents	80	Not Rated		Not Rated		Not Rated	
42A: Wahee	85	Very limited Low strength Depth to saturated zone Shrink-swell		Very limited Depth to saturated zone Cutbanks cave Too clayey		Very limited Depth to saturated zone	
			1.00 1.00 0.50		1.00 1.00 0.28		1.00
Roanoke	3	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
W: Water	100	Not Rated		Not Rated		Not Rated	